



# CROSSTALK

News Bulletin of the TRW Amateur Radio Club

Member, American Radio Relay League

MAY 1986

\*\* FD'71 \*\* FD'73 \*\* FD'75 \*\* FD'76 \*\* WAS \*\* WAC \*\*

Garrett/W6TRW Repeater: 145.32/-600(2A-PL) -- UHF: 442.000in/447.000out

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## CALENDAR FOR MAY AND JUNE

Wednesday	Each Wednesday, noon	Emergency Communications Team Check-in. 145.32 via repeater and simplex
Wednesday	Each Wednesday, 8pm	TRW/ARC Net on 145.32 MHz. Westlink tape, checkins, roundtable. Net Control, Don, N6KAW
Friday	Each Friday, 7-8am	Club Breakfast, S Cafeteria, VERY informal, good breakfast for less than \$2.00!!
Tuesday	May 27, noon	Club Meeting, R4/1041. Speaker will be Norm Goodkin, K6XYH, who is with the Disaster Communications Service in Malibu. Norm will talk about emergency communications!
Saturday	May 31, 8-11am	Swapmeet, Northwest corner of Aviation and Compton/Marine behind the Standard station.
Tuesday	Jun 10, after work	Executive Board Meeting. All members are welcome! At Shakey's, Manhattan Beach, 2000 N. Sepulveda Blvd., just south of Marine Ave.
Wednesday	Jun 11, noon	Club Picnic, El Nido Park, on 182nd west of Hawthorne. Bring your badge or ID card.
Sat, Sun	Jun 14, 15	VHF QSO Party. Look for W6TRW from Mt. Gleason on 6 Meters to 1296 MHz. You don't have to be a contestant to give points to those who are! All you exchange is grid squares.
Sunday	Jun 15, all day	Father's Day
Saturday	Jun 21, 8-11am	Swapmeet. Swapmeet moves to 3rd weekend due to Field Day!
Tuesday	Jun 24, noon	Club Meeting, R4/1041. Speaker will be Dale Jensen. Subject will be Field Day plans.
Fri, Sat, Sun	Jun 27, 28, 29	ARRL Field Day Weekend. Club Station will be at the top of Friendship Park, San Pedro.

\*\*\*\* REMINDER: THE TRW/ARC SWAPMEET IN JUNE WILL BE ON THE 3RD WEEKEND, JUNE 21ST, AS FIELD DAY IS THE 4TH WEEKEND \*\*\*\*

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### June VHF QSO Party

Frank Cartier, WA6RAY

We plan to have the TRW Amateur Radio Club represented during the ARRL June VHF QSO Party on June 14th and 15th. We did this for the first time during the last September VHF QSO Party and W6TRW won the multi-operator Santa Barbara Section and Southwestern Division operating from Mt. Pinos at about 8000 feet. This time we are operating from Mt. Gleason at about 6500 feet in the Angeles National Forest. So far, the team consists of:

Frank Cartier, WA6RAY - 6 Meters  
Frank Cartier, Jr., KB6LSE - 6 Meters  
Bill Dews, K6AWD - 2 Meters  
Rich Sauer, N6CIZ - 220 MHz  
Chris Wachs, WA2KDL - 432 MHz  
TBD - 1296 MHz

If you would like to participate give me a call at (53)56985 or Bill Dews at (53)58416. As a minimum, plan to operate on VHF during this weekend and give us some points so that we can continue to beat the competition (such as the Northrop ARC) for the SW Division title in the Multi-operator category. We will be monitoring 147.51 MHz FM on 2 Meters for 10 minutes before each hour. You will easily find us on the SSB part of these bands as well. So plan to give W6TRW a point by swapping grid squares and signal reports and take advantage of a good time to start collecting grid squares for your VUCC award!

### "DR. RAGCHEW" NOW AVAILABLE

Following the success of the popular "DR. DX" computer program which simulates actual DX contacts on the ham bands, GEARVAKF Software Labs have now announced "DR. RAGCHEW", a program which simulates typical 75 Meter QSO's.

Available in an AM and SSB version, Dr. Ragchew can carry on a conversation at any time, on any subject such as comparing gear; antennas; how many hundred dB over S-9 you are; SWR - and it includes a 25 minute long 73 and sign-off routine. A sub-routine program for QCWA members includes questions and comments on "how things used to be," "why transistors won't work," "prostate trouble and other things that get you up in the night," and "why Franklin Roosevelt ruined the country."

Dr. Ragchew also provides various types of deliberate and malicious interference, such as, "testing, testing, heloooooo radiooooo," VFO sweeps, music, catcalls, woodpecker noise, RTTY and SSTV signals and 20 over 9 power line noise which comes on intermittently. Developers are also planning a 2-Meter FM version which will include a debate on "full quieting" and how much stronger than "full quieting" your signal is.

Thanks, N8JR and the GEARVAKF Bulletin



## TRW/ARC Picnic

The first TRW/ARC Picnic of 1986 was a rousing success. A few old timers came out of the woodwork to show up on what turned out to be a nippy May day. I seem to remember that it was a bit chilly with a stiff breeze the year before and there wasn't much of a change this time around either. However, everyone was quickly warmed by the delicious "Sloppy Joe" sandwiches served by Activities Chairman Jim Wike and his YF Luella. The "Sloppy Joes" were amply supported by chips, macaroni salad, soft drinks and (what kind of a picnic would it be without them) 807's. A surprise visit by Bob Poole, AJ6F, Manager of the Los Angeles Section, made the picnic that much more enjoyable. Bill Schrecengost, KE6LB, showed off his newly purchased used motor home that he plans to vacation in this summer. Rich "All you can eat" Robertson, did a nice job of making sure that Jim and Luella did not have a lot of left-overs to take home. The lunch was finished off by some really great, super chocolate brownies, home made of course. If you missed this one do not despair, you have 4 other chances to eat your way through your dues, the next opportunity being Wednesday, June 11 at El Nido Park. The park is on 182nd Street between Hawthorne Blvd and Inglewood Avenue. The parking lot is just south of 182nd Street On Kingsdale Avenue. Hope to see you there!

## Tidbits from the Jolly Little S...

For those of you who caught the typo in the last issue of the Crosstalk congratulations on realizing that May 26th and 27th don't both occur on Tuesday. However, Monday the 26th of May is a company and legal holiday so enjoy the three day weekend and please drive carefully. Tuesday, May 27th is the date for the next Club meeting so don't get fooled into feeling that it is Monday and forget to attend.

Thanks to Charlie Clarke, W6NWP, for pointing out that 3.08 MHz is not an amateur frequency. Paul Lukas, N6DMV, told me that Bill Rodner, K6AWS, would be on "three oh eight" and I merely assumed he meant 3.08 when he meant 14.308 MHz. Needless to say being a Technician Class operator and not on the low bands but once during the Novice Round-up, I did not check the information, I merely assumed, and we all know the trouble you can get into when you assume!! I don't know if Bill ever showed up on either 3.08 or 14.308 but Charlie says that he is regularly on 7.228 MHz +QRM at about 11:30 local time on Mondays, Wednesdays and Fridays. Say hello for me when you talk to Bill - what the heck - HELLO BILL!!!!

June is the month of the "real biggie" when it comes to contests, that is, Field Day. But don't forget that a more casual contest appears just two week before and that is the June VHF QSO Party. You do not have to be a contestant to give points to those who are contestants. Check out the May issue of QST (page 88) for all of the details but the highlights are: contest runs from 1800 UTC Saturday, June 14 to 0300 UTC Monday, June 16; exchange is grid squares (see Jan '83 QST); you cannot use repeaters for contact or soliciting contacts. Most important is that on our first outing last September we took the SW Division First Place and had the highest score west of the Mississippi River (!!!) and other Clubs heard how much fun we had and are out gunning for us. So get on you 2 Meter rig and give our guys a point or get on 220 MHz or 432 MHz and give them 2 points for a contact, or if you are playing with 1296 MHz give them a 3 point QSO. Remember, you don't have to contest to help!

I haven't heard much from our Field Day and Emergency Communications Team Chairman, Dale Jensen, recently as he has been out of town a lot lately. Two months ago he printed a list of things that needed to be done before Field Day if we are going to make a good showing this year. I haven't heard if anybody has done any of them or

## ...more Tidbits

even volunteered to get one or two started which probably means that nothing is happening. OK all you who said yes to helping out with the Field Day effort, go find that list (reprinted in this Crosstalk) find something that looks unappealing and call Dale at 217-4876 (work) and let him know that you are doing something. DON'T WAIT TO BE CALLED - VOLUNTEER NOW!! Bill Schrecengost, KE6LB, is leaving on vacation Field Day weekend so if we expect to get 15 Meter SSB on the air we will need to get his tower from him. Bill was out of town last year and we didn't get the tower and 15 SSB never got on the air. Let's learn from our mistakes instead of doing them over again.

Thanks to the LAACARC for finally getting my name in their list of newsletters and editors. I know how difficult it is to get things straight so I won't mention that the prefix of my home phone number is 545 not 454 as printed. All I can say is that I really wouldn't do this job without a word processor and a database manager and if there is an editor out there that still pounds out copy on a typewriter and stencil masters, I really feel sorry for you.

## General Meeting 29 Apr 1986

Paul Lukas, N6DMV

President Chris Wachs, WA2KDL, opened the meeting. Treasurer Dave Stockwell gave the financial status of the Club. The Swapmeet on April 26th was a success and the newly instituted Porta-Potty was received with enthusiasm. Thanks for the donations for the service! Vice-President Scott Gilmartin, WD6BNR, introduced the guest speaker: Butch Mason, W6KAG. Butch has been a ham for the past 40 to 45 years and has a wealth of knowledge in the radio/electronics field. He is associated with AMSAT now. Butch gave a very interesting account of his experiences in trying to put an amateur satellite in geostationary (synchronous) orbit. So far three attempts were made to achieve the goal, but for various reasons the efforts failed. An obvious candidate for reaching low earth orbit is the Shuttle, but to integrate a payload with an engine to lift the satellite to geosynchronous orbit costs a "mere" \$1,000,000.00!!!! Butch thinks that if an amateur geosynchronous satellite is ever to be achieved, it has to come from the co-operation of all amateurs. Thanks Butch, we all enjoyed your talk. The doorprizes included: 2 ARRL Handbooks, 1 ARRL Antenna Book, 3 Long nose pliers, 1 Diagonal cutter and 2 packs of 100 QSL cards. The meeting was adjourned at 1258 PDT. 29 people signed the attendance sheet.

## New Product Review

Glitch Electronics, Inc. of Central Garage, VA, has proudly announced the newest member of their product line, the Ostrich 24680 All-band, All-mode, HF to Microwave Transceiver and Vacuum Cleaner. The Ostrich line is well known to ham radio enthusiasts, with dozens of sales in the last 40 years. The new 24680 is a gem which should outdo all it's predecessors, according to Mr. Giles Gump, Glitch's President and Chief Sanitation Engineer.

The 24680 works on AM, FM, SSB, ASCII and Baudot on every Amateur frequency (and a few others) from 160 Meters up, and when tuned to 2450, makes a mean grilled cheese sandwich. As a vacuum cleaner, it's performance is excellent, and with absolutely no attention it will keep your shack spotless and free of such detritus as small screws, washers, transistors, etc., especially while you are working on a kit or homebrew project.

GEARVAKf was pleased to be selected to receive one of the first 24680's for testing, in return for our promise of an excellent review. We, therefore, must unqualifiedly recommend that you try one of these fine radios in your shack (or kitchen) right away.

Thanks (I think), the GEARVAKf Bulletin

## April Swapmeet Notes

Frank Cartier, W6GRAY

The April Swapmeet was about as large as the March sellout. Although this time we were able to get all of the sellers' vehicles into the lot much quicker. We did have to do some consolidating but, again, all of the participants were very cooperative. Before the Swapmeet started we passed out a bulletin to each person in line that covered four items:

- 1) The June Swapmeet would be held on the 3rd Saturday in June and not the traditional last Saturday due to Field Day on the last Saturday - Swapmeet on the 21st of June not the 28th.
- 2) The sellers' lot must be left clean when departing. We have had some complaints from TRW Maintenance.
- 3) There will be an auction during the July Swapmeet.
- 4) Last but not least a notice that we had a "portable sanitation unit" for the convenience of the Swapmeet participants and that donations were expected to defray the cost to the TRW Radio Club.

We will distribute bulletins again at the May Swapmeet reiterating these points. On the subject of leaving the lot clean, the seller's lot was somewhat cleaner but there is plenty of room for improvement.

During each Swapmeet we receive many suggestions from the participants. Each is considered and some are implemented. The Club Executive Board has formed a committee to review the Swapmeet operation, rules, regulations, etc. and we will give consideration to all of the suggestions we have received and will present our recommendations to the Board in the July time frame. In addition to myself, the committee consists of Paul Herbert, KG6CR, and Walt Pearson, N6DZM.

The April Volunteer Supervisors were:

Charles Barnett, WB6ZIA

Joe Zboril, WB2DRH

Dave Stockwell, WA6ATK

and Frank Cartier, Jr. KB6LSE

Thanks to Charlie, Joe, Dave and Frank for an excellent job on a very busy day. Thanks also to Norm Wright of Maintenance and TRW Security for their vital support month after month.

The Volunteer Supervisors for May are:

Paul Herbert, KG6CR

and Frank Cartier, Jr. KB6LSE

plus one or two others that have not been identified as of press time. The volunteers are reminded to be at the sellers' lot between 0640 and 0645 and make sure no one is in the seller's lot before 0700 except the food booth crew.

During the July Swapmeet on Saturday July 26, we will have an auction. This special event will be held periodically if there is sufficient interest and participation. Here is the plan. The auction will start at 0900 and end at 1100. The TRW Amateur Radio Club will get 10% of the sales. A special, energetic guest auctioneer will be available. He will be assisted by Paul Herbert, KG6CR, and Dave Stockwell, WA6ATK. Plan to bring your equipment and hardware, and someone to watch your gear while you participate in the auction. It ought to be a lot of fun and a chance to liquidate your excess equipment and get some real bargains. Mark your calendars and plan to participate.

Everyone is encouraged to spread the word around about the date for the June Swapmeet. The 3rd Saturday not the last Saturday for June only. We have had great results in having Club members who attend the Swapmeet observing that all of the rules are being followed. We get lots of input during the meet and check everything out. We monitor the output of the Club repeater on 145.32 MHz.

73's and see you on Saturday 31 May at 0700!!

D1ET -- The penalty for exceeding the Feed Limit.

WORRY -- Interest paid on trouble before it falls due.

## ARRL National Convention

Bill Dews, K6AWO

The ARRL National Convention, September 5,6,7, will be a great time to visit San Diego. You hams with RV's should plan to really enjoy it all at a reasonable cost too. The campgrounds are close (2-3 miles) but if you want space you had better call and plan to pay for your spot now. One location is De Anza Resort, (619)273-3211. Remember that the 145.32 (~.600) machine in San Diego has no PL - hope to see you RV hams there!

Advanced Registration prizes are a Yaesu FT-2700 and a Kenwood TR-2570. Register before 8/15/86 and it costs \$3.00 less. All of the usual National Convention stuff will be going on with some specials only San Diego could provide. A Youth Forum led by Astronaut Tony England, W00RE will be presented. A Friday Evening Dinner Dance Cruise in San Diego Bay will be available for the first 100 persons to sign up for it. The TRW/ARC has reserved a room at the Town & Country Hotel, which is the Convention Hotel, for Friday and Saturday evenings. It will be used as a hospitality room for TRW/ARC members only. A good place to cool your dogs with a tall cool one or just get to know some of the other members a little better. Those with ice chests please bring them along to hold the pop or whatever.

So what are you waiting for?? Find the registration slip in this Crosstalk and fill it out and send it in and join the Gang in San Diego on September 5-6-7!!!

EXPERT -- One who avoids the small errors as he sweeps to the final mistake.

## Executive Board Meeting 13 May 1986

Paul Lukas, N6DMY

President Chris Wachs opened the meeting at 1735 local time. The following members were present: Frank Cartier, Bill Daley, Bill Dews, Scott Gilmartin, Paul Herbert, Bob Hume, John Keller, Paul Lukas, Walt Pearson, Dave Stockwell, Chris Wachs and Jim Wike. Walt Pearson reported that the TRW/ARC Constitution is under revision to align it with the latest SEA requirements. Frank Cartier reminded us of the coming VHF QSO Party on the 14/15th of June. Planning to set up 5 stations, covering bands from 6 Meters to 1296 MHz. Three people have volunteered so far for the trip to Mt. Gleason at an altitude of 6532 feet. If you wish to operate or have a rig you can loan please contact Frank at (53)56985 or Bill Dews at (53)56416. Scott Gilmartin announced the next speaker: Norm Goodkin, who is associated with the Disaster Communications Service, Malibu Station. Topic: How Ham Radio is helping disaster communications. The minutes of the last Executive Board Meeting were approved as printed in the Crosstalk. The last picnic was a success according to Jim Wike. Many new faces were seen but few badges were in view. Please wear your TRW/ARC badges at all Club Functions; it makes it easier for everybody. Bob Hume will have an antenna tower erection party on top of Bldg 65 on the 18th of May. He needs about 7 people. Time: 9:30 Sunday morning. Bill Daley reported on the last LAACARC meeting. John Keller - reporting for Bill Dews - stated that we have a record 202 members. Chris called our attention to the early Swapmeet date in June due to Field Day. The Swapmeet will be on the 3rd Saturday in June - on the 21st. Please spread the news on the repeaters too. The Club thanks for the donations to cover the costs of renting the "Porta-Potty." Since the Club's resources are limited, this is the only way we are able to continue this service to the comfort of our friends at the Swapmeet. Please continue the donations which benefit buyers and sellers equally. Chris called the meeting adjourned at 1850 local time.

CONTENTMENT- When you enjoy the scenery along the detour.

I have been doing some beacon monitoring recently and the most interesting one I found was not on Packet but on the AMSAT OSCAR 10 satellite. If you really want to know what is going on with the operation of the satellite here is where it may be found. Below is a sample of the downlink I received. (ed. This would have gone into last month's newsletter but there was no room, so the info may be a bit dated.)

H1, THIS IS AMSAT OSCAR 10 17:50:29 3029 #002D  
 \*K de DK1YQ at 2095-170: Ian,Randy: charging of the aux-batt.s shall be jeopardized till better SA conds. are achieved 'cause overall power budget will be affected. softSE counter is unchanged CW speed seems to be acceptable now. Do you have anymore comments heard on that?? Thanks for controlling the S/C till end of h"otR"UDAK intergration. QST: from the RUDAK integration lab. at DK1YQ, Munich:Peter,DB2DS Stefan, DL2MDL, Gerhard,DG2CV, Knut,DF8CA been working >L  
 \*L de DK1YQ at 2097-218: on the integration of RUDAK flight h/w The 2400 bps burst demodulator and the power conditioner work very fine. Uplink Equip. for test of complete RUDAK (dig.+RF) is available. A solution for the major problem of TNC1-S/W with handling the 2 bitrates 2400/400bps has been painfully conceived (RX interrupt handling) .. details and S/W updates will be published soon by the RUDAK-group of AMSAT-DL. All components for the flight hardware are procured. Thanks WB0RLY for the R/Cs

\*M de ZL1AOX 2139-125, 17/4/86. QST - The attitude is now being altered towards LON 140, LAT 0 from 185,-33. Present transponder schedule will be changed as soon as attitude approaches 140,0. The proposed schedule is as follows: Mode B MA 30 to 044, Mode L MA 045 to 062, Mode B MA 063 to 189, OFF MA 190 to 220, Mode B MA 241 to 029. The omni antenna is on from MA 245 to 044. Watch General beacons for further updates 73, Ian.

\*N de ZL1AOX 2131-20 13/4/86 QST: Present attitude is approx LON 185,LAT -34. Decision whether to continue to 140.0 on 16/4/86. Hanspeter: Do NOT recharge AUX BATTERY as this will start its life countdown. The main battery is still in good condition and until it shows definite signs of deterioration the aux batt shud be left in 'cold' storage uncharged. Line 7, character 6 of this block is being corrupted. The o"w"ill become e". I was able to upload on mode L with 10 watts to a 4 foot dish. 73, Ian

H1, THIS IS AMSAT OSCAR 10 17:52:31

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### Crabapple Computer Introduced

Edward Tamethud, president of Gearloose Electronics, announced today the debut of the company's new Crabapple Computer. Due to the overwhelming response of the public to new "friendly" languages like BASIC, the Crabapple will support its own language designed for a new market segment. "BASIC answers the needs of people who are not clearly technical," Tamethud said, "but what about those who are just plain incompetent?" Mr. Tamethud then introduced a new language called PUG (Particularly Unintelligible Garbage) and pointed out that anybody could use it, although he declined to say what for. When programming in PUG, the user employs the remote control unit for any TV, pushing buttons at random. A program will result. Said to offer no greater challenge than drinking beer and watching football simultaneously, the new language is sure to be a hit with people everywhere, Tamethud claims. Another feature if the three bit WOM (Write Only Memory), a variant of the LIST (Last In - Still There) memory used on other products in the company lineup.

Thanks, the GEARVAKf Bulletin

What's new in the May issue of:

QST: Beyond the Dipper (a new RF measurement system). Learning to work with a preamp (good info!). A Mode-L Parabolic Antenna & Feedhorn for OSCAR 10. Adventures in satellite DXing (equipment for OSCAR). Spots Before Your Eyes (going thru null in the sunspot cycle). Getting into Field Day Form (planning your FD).

HR: Secrets of successful Low-Band operation (see what "big-gun" stations do and use). CAD of Long VHF Yagi Design (up to 40 element on a single boom). Active Antenna Preamp. The W2PV 80 Meter Quad (2 element Delta Loop). The COLAGI Antenna (Colinear Yagi design for gain and pattern). Solving Transmission Line Problems on C-64. HF Ground Wave Propagation (program for c64/c128 for expected range). How high should your antenna be? Yagi facts and fallacies (under VHF/UHF World section).

73: Speed Sharge your PB-21 (AC/DC charger for TH21AT). The Hula Hoop Revisited. Transmitter Hunters: Here's your ammo for Tracking (a metering amp at IF, a 50 dB pad inside a can to obtain 120 dB dynamic range). Remote-Controlled Everything. Product Review: Uniden Bearcat 800x1t vs Regency MX-7000; Heathkit Dual-Trace 'scope, 10-4225; DSE Commander VHF-FM Tranceiver.

CQ: Review of TS-940S Tranceiver  
 Review of AEA PK-64 Pakratt & HFM-64 Modem.

Kenwood Newsletter  
 IRI Inc. reviews Kenwood new TS-440 (Part One).

Icom Newsletter  
 Fixit for the Icom 751A.  
 IC-751 memory scan mode.  
 CW Sidetone for code practice.  
 IC-02A/T out-of-band mode.  
 All-band transmit mod Icom M-700 Marine Tranceiver.  
 IC-730 illegal frequency display.  
 IC-25a receive adjustment.  
 IC-751 audio problem.  
 IC-02A/T & IC-04A/T programming trick.  
 IC-02AT audio disappeared.  
 IC-735 speech processor.

Yaesu Newsletter  
 Modifying the Yaesu FT-301 for 30 Meter coverage (Part 2).  
 The Yaesu FRG-7.  
 Emergency communications for survival All-band transmit mod - Yaesu 757.  
 Yaesu FRA-7700.

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ANTIQUITY -- An object that wouldn't be wanted by anyone if there were more of it.

DIPLOMACY -- The ability to do an unpleasant thing in a pleasant way.

FINAGLE'S LAW - Once a job is fouled up, anything done to improve it makes it worse.



## New Members - - Old Members

License expirations coming up in the next few months are:

WAGATK, Dave Stockwell, May  
W6NWP, Charlie Clarke, May  
W6ODI, Bob Lacey, July

Bill Dews reports that he has badges for Ralph, KB6LJS; John, WD2AIG; Scott, N6AZY; Rudy, K6BFL; Kathy, WA2KDL'S XYL; Wade, N6NDL; Sally, KB6KUU; Craig, N6KPR. Bill also has badges for N6KRF, N6MFO, KI6CP, K6AHF, NU6U, KA6JOK and W6IOW left over from last month. You can get your badge at the next Club meeting Tuesday, May 27 at noon in building R4 room 1041.

Congratulations to Stan Harris, formerly KG6MV, who has upgraded to Extra and is now WQ6Z!!

Welcome to the Club New Members:

Scott LoBue, N6AZY, holder of a General ticket and ham for 7 years, says "Yes!!!" to helping out at Field Day, and wants to help out at the Swapmeet.

John S. MacLean, WD2AIG, also a holder of a General ticket and an amateur for 7 years, he also says yes to Field Day and helping out with the Club Station.

Craig Talbott, N6KPR, with Advanced ticket and a ham for two years. Craig has the distinction of being the Club's 200th member!

Art Huhta, N6IVF, a Technician class operator and ham for 3 years, is willing to help out at the Swapmeet.

Bill Montgomery, N6MEL, holding a General Ticket and ready to take the test for an Advanced, Bill works for El Segundo schools and is ready to begin a ham class for some of his interested students.

N. Wong, not a ham but for many years a regular at the Swapmeet and supplier of door prizes for the Club meetings.

John Shepard, WB6VYX, a ham for 20 years and holder of an Advanced ticket and an ARRL Life member. John also says yes to helping at the Swapmeet and on Field Day.

Welcome to the Club and hope to give you an "eyeball QSO" at the next Club meeting.

To assist Associate members in attending Club meetings here are a few hints to make it easier getting in and out of TRW. Building E2 is the tall white building easily visible from the San Diego Freeway and accessible from Compton Avenue. Building R4 where we have our meetings is directly south of building E2 and the entrance is on the north side of the building. If you arrive a few minutes before noon there are usually parking spaces available east of E2 and north of R4. DON'T PARK IN A SPOT THAT HAS A NAME ON IT. Walk over to building R4 and tell the receptionist that you are there for the Amateur Radio Club meeting and he/she will give you a visitors pass to fill out. Any TRW/ARC member who is a TRW employee can escort you to the meeting room. There is usually a crowd of retired and associate members being signed in so it is hard to get lost. Hope to see you there!

## Field Day

Dale Jensen, K6ZTI

Here is a list of tasks to be done and some of those who did them last year. I'm showing the tasks pretty much in chronological order, so we can see the time frame in which things need to get done.

Retune the 15M SSB Quad Antenna

Retune the 15M CW Quad Antenna

Retune the 20M CW Quad Antenna

Contact media and get coverage in the press, TV, etc.

Friday Lunch(?), Dinner

Saturday Breakfast, Lunch, Dinner

Sunday Breakfast, Lunch, Dinner(?)

Set up and maintain Snack Bar

Club Photographer (black and white only please!)

Generator(s) set-up, tending and return

Extension Cords

Computer operators(s) to automate duping and logging

Make sure that 100 bonus point items get done

Send message to SCM

Non-fossil fuel power contacts

Oscar

Packet

We really need to make an effort on 80M CW and SSB as we have virtually ignored this band each year.

If you can help out in any way with any of these tasks please call me, Dale Jensen, at 217-4876 (work) and let me know. If I am not there please leave a message and I will get back to you. Let's get started now, there is only a month left to get all this done!!

## Buzz Words By the Numbers

There is circulating in Washington, D.C., a "foolproof" system for those wishing to appear more learned than they are." It is called "convoluted phraseology."

Here is how it works:

- When you need to "language up", select at random any three digit number.
- Look up the word associated with your number in the table below (one digit per column).

Column 1	Column 2	Column 3
0. integrated	0. management	0. options
1. total	1. organizational	1. options
2. systematized	2. monitored	2. capability
3. parallel	3. reciprocal	3. capability
4. functional	4. digital	4. programming
5. responsive	5. logistical	5. concept
6. optimal	6. transitional	6. time-phase
7. synchronized	7. incremental	7. projection
8. compatible	8. third-generation	8. hardware
9. balanced	9. policy	9. contingency

For example, 379 produces "parallel incremental contingency." No one knows what it means, but it sounds impressive.



## ARRL 1986 NATIONAL CONVENTION September 5, 6, & 7, 1986 REGISTRATION DATA FORM (Print or Type)

Name \_\_\_\_\_ Call \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Make Badges As Follows:

Call \_\_\_\_\_ Name \_\_\_\_\_ City \_\_\_\_\_

Call \_\_\_\_\_ Name \_\_\_\_\_ City \_\_\_\_\_

Pick up Tickets and Badges at the Door.

To Reserve a Room at the Convention Site, Call T & C Hotel and ask for ARRL rates. Toll Free: California (800) 542-6082, USA (800) 854-2608  
CONVENTION INFO: (619) 292-7918

## MEETING SITE TOWN & COUNTRY CONVENTION CENTER SAN DIEGO, CALIFORNIA

How Many	Cost	Amount
_____ Advance Registrations	@ 7.00	_____
_____ Registration After 8/15/86	@ 10.00	_____
_____ Banquet (Prime Rib)	@ 25.00	_____
_____ Ladies Lunch (1st 100)	@ 10.00	_____
_____ Dinner Cruise (1st 100)	@ 33.00	_____
Total Enclosed		\$ _____

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